

VII. Claim Amendments under 37 C.F.R. § 1.121

1. (Currently amended) A pharmaceutical composition comprising a recombinant adeno-associated virus (AAV) virion comprising a nucleotide sequence encoding a functional Factor VIII protein operably linked to a liver-specific promoter wherein said promoter comprises at least a portion of the transthyretin (TTR) gene promoter, wherein said recombinant adeno-associated virus virion lacks AAV rep and cap genes, and wherein said Factor VIII protein is B domain-deleted.

2-3. (Canceled)

4. (Withdrawn) The pharmaceutical composition of Claim 3, wherein said promoter comprises the HNF-3 albumin promoter.

5. (Canceled)

6. (Original) The pharmaceutical composition of Claim 1 wherein said nucleotide sequence comprises a heavy chain and a light chain, and wherein said nucleotide sequence further comprises a junction that operably links said heavy chain and said light chain.

7. (Original) The pharmaceutical composition of Claim 6, wherein said junction has the amino acid sequence Ser-Phe.

8. (Original) The pharmaceutical composition of Claim 6, wherein said junction has the amino acid sequence of SEQ ID NO:15.

9. (Currently amended) A ~~The~~ pharmaceutical composition comprising a recombinant adeno-associated virus (AAV) virion comprising a nucleotide sequence encoding a functional Factor VIII protein, wherein said recombinant adeno-associated virus virion lacks AAV rep and cap genes, wherein said Factor VIII protein is B domain-deleted ~~of Claim 1, and~~ wherein said nucleotide sequence comprises SEQ ID NO:13.

10. (Currently amended) A ~~The~~ pharmaceutical composition comprising a recombinant adeno-associated virus (AAV) virion comprising a nucleotide sequence encoding a functional Factor VIII protein, wherein said recombinant adeno-associated virus virion lacks AAV rep and cap genes, wherein said Factor VIII protein is B domain-deleted ~~of Claim 1, and~~ wherein said nucleotide sequence comprises SEQ ID NO:14.

11. (Original) The pharmaceutical composition of Claim 1 further comprising a pharmaceutically acceptable excipient.